

Texas A&M University – Galveston Campus

Energy Conservation Plan

November 2017

- **The extent to which the agency has met the percentage goal it established for reducing its usage of electricity, gasoline, and natural gas:**

Texas A&M University at Galveston Campus is committed to energy conservation. TAMUG has shown positive reductions in energy consumption by equipping new facilities with state of the art systems that make the buildings more energy efficient.

Utility consumption building profiles are generated and reviewed weekly to insure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed to insure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have reduced the campus source Energy Use Index (EUI) from 208.5 mBtu per square foot in October 2012 to 195.4 mBtu per square foot in June 2017 for a 6.2% reduction in energy usage per square foot.

Additionally, the recent opening of Academic Building 3034 showcases state-of-the-art energy efficiency features. The classrooms and work spaces function using occupancy sensors. This allows for reduced energy consumption during unused and non-peak hours.

- **The steps the agency may take to increase the percentage goal for reducing its usage of electricity, gasoline, and natural gas:**

Texas A&M University – Galveston Campus is very aggressive in implementing programs that lead to energy reduction. TAMUG has begun investigating the upgrade of campus lighting to LED and will re-start the process to enter into an ESCO agreement. Upon successful completion, TAMUG expects the performance contract will reduce campus energy consumption by over 10%.

- **Any additional ideas the agency has for reducing energy expenditures relating to facilities:**

Future building construction at Texas A&M University – Galveston Campus will have a primary goal of energy efficiency throughout planning and construction. Additionally, a new contract with the electrical provider going into effect in September 2017 will lower base line electrical costs by 22%.

- **Any additional ideas the agency has to minimize fuel usage in all vehicles and equipment used by the agency.**

Where appropriate, Texas A&M University – Galveston Campus will continue to consider replacing full size vehicles with utility vehicles and encourage the purchase of hybrid vehicles.

| | Gasoline (Gallons) | Diesel (Gallons) | Propane (Pounds) | Diesel for TS Rudder (gallons) |
|--------------------------|-----------------------|---------------------|---------------------|-----------------------------------|
| FY16 | 12,810 | 11,292 | 524 | 56,800 |
| FY17 | 17,733 | 7,217 | 460 | 63,440 |
| % Increase (Decrease) | 36.69% | -36.97% | -12.21% | 11.69% |